Contents

All index titles referring to articles represent the thirty-four identified for use in this project. The *parameter_base* file does not account for all of the articles as some did not have relevant data for application operationally.

Cover Sheet and Introduction

Readme - An overview exploring uses and applications of the project.

I. Checklist

composite checklist - Summary of five checklists from BMX, JAN, LIX, MOB, SHV, WFOs. All parameters from each WFO were then compared and categorized as to greatest similarity.

checklist – Five checklists acquired from the WFOs identified above.

II. Imagery

imagery sum – Summarized operationally useful parameters within the *imagery_base* file. Categorized by thermodynamics, kinematics, radar, and standard analyses.

imagery base – An excel spreadsheet of articles categorized from recent to past. Each article contains a summary of the imagery within the specified article.

III. Bibliographic Base

journal base – Brief summaries of articles identified and categorized from recent to past.

bib list – AMS journal articles identified as acquired through the AMS website keyword search "microburst."

web base – Fourteen alphabetized categories of microburst related websites and their summaries. Websites were acquired from a keyword search "microburst."

publications – List of publications acquired from the *web_base* file. Each personal website (e.g., scientist, professor, public) was searched using keyword searches of microburst, downburst, and downdraft.

IV. Parameters

parameter base – Excel spreadsheet of microburst parameter data acquired from articles and NWS checklists and event data. Data separated into observed and simulated cases.

V. Conceptual & Operational Models

conceptual model – Microburst event model developed from the parameter base of a storm at the wet microburst stage.

radar model – RHI schematic representation based on five events acquired from WFOs. Contains radar parameters including dBZ and convergence height.

VI. Event Data

event data – Collection of hard copy wet microburst data from selected event days acquired from BMX, LZK, JAN, MEG, MOB, and SHV NWS Offices, and the ULM Atmospheric Sciences Program, Department of Geosciences. Further documentation containing imagery of the conceptual models, poster, preprints and Microsoft Power Point presentations are included.

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